



ALGERIA

Irrigated crop calendar

2008

Irrigated crops	Area 1000 ha	Crop area as percentage of the full control equipped and actually irrigated area by month											
		J	F	M	A	M	J	J	A	S	O	N	D
Winter cereals	75	10	10	10	10	10						10	10
Summer cereals	8				1	1	1	1	1				
Vegetables One	139			18	18	18	18						
Vegetables Two	135							18	18	18	18		
Fruits	160	21	21	21	21	21	21	21	21	21	21	21	21
Citrus	42	5	5	5	5	5	5	5	5	5	5	5	5
Olives	48	6	6	6	6	6	6	6	6	6	6	6	6
Grapes	9	1	1	1	1	1	1	1	1	1	1	1	1
Oil palms	140	18	18	18	18	18	18	18	18	18	18	18	18
Industrial crops	20					3	3	3	3	3			
Other temporary crops	4					1	1	1	1	1			
Fodder permanent	78	10	10	10	10	10	10	10	10	10	10	10	10
Harvested irrigated crop area [AHI_{full}]	858												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	764	72	72	91	91	95	85	84	84	83	80	72	72
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	112												
Area equipped for full control irrigation [AEI_{full}]	857												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	89												
Total area equipped for irrigation [AEI_{tot}]	857												



Narrative

AEI_{tot} is equal to 909 555 ha and AEI_{full} to 856 555 ha as spate irrigation is 53 000 ha. AAI_{tot} is equal to 816 898 ha including 696 177 ha in PMH, 39 923 ha in GPI and 80 798 ha in PMH on GPI lands in 2008. AHI_{tot} is equal to 818 232 ha in PMH and GPI in 2008, ie a cropping intensity of 112 percent . The area of harvested irrigated crops in PMH on GPI lands is estimated at 92 920 ha using the cropping intensity (SOFRECO, 2012), resulting in AHI_{tot} of 911 152 ha. Without any data, the harvested irrigated crops in PMH on GPI lands were estimated proportionally to the PMH ones. Without any detail on fruits on GPI, the total was included in "fruits". It was also considered that there was a small part of summer cereals, a double culture of vegetables, and that the fodder were permanent. Finally, it was considered that there was only one cropping cycle on spate irrigation, resulting in a AHI_{full} of 858 152 ha. The main irrigated crops are vegetables (33 percent), fruits (23 percent including citrus and grapes), oil palms (15 percent), cereals (12 percent), fodder (9 percent) and olives (5 percent). Some industrial crops are also irrigated. Irrigation is practiced all year long. Temporary crops are mainly cultivated and irrigated at the beginning of summer from april to august, except winter cereals.

References

SOFRECO. 2012. *Evaluation de la demande en eau agricole et ses besoins estimatifs*.